



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
DISTRICT II ARTESIA
811 S. FIRST ST. ARTESIA, NM 88210
(505) 748-1283
FAX (505) 748-0720

Jennifer A. Salisbury
CABINET SECRETARY

CERTIFIED MAIL 7099 3220 0005 0938 9251

April 6, 2000

U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

Attn: Harold Johnson-EPA Compliance Manager

Re: *1) Arco Permian's Application to Drill the Barclay State # 5, located in
Unit G of Section 2, Township 23 South, Range 31 East in Eddy County,
New Mexico.*
 *2) Arco Permian's Application to drill the Barclay State #6, located in
Unit K of Section 2, Township 23 South, Range 31 East in Eddy County,
New Mexico.*

Dear Mr. Johnson,

The Applications to Drill (APDs) for the above referenced wells are enclosed for your review. The Barclay State wells lies within 1 mile of the WIPP withdraw area. Per terms of the Joint Powers Agreement between the Energy Minerals and Natural Resources Department, the DOE and other agencies, these APDs are provided so that you may have the opportunity to develop and submit any comments thereon. The original APDs were approved on 8/15/97 and expired the next year, however they were never were submitted for your review.

Please feel free to call me if you have any questions about this matter or if I can provide any further additional information.

Yours truly,

Bryan G. Arrant

Bryan G. Arrant
District II Geologist
Encl.
Cc:

New Mexico Energy Minerals and Natural Resources Department, Bill Mackey-
Coordinator of the N.M. Radioactive Waste Consultation Task Force
New Mexico State Land Office Oil & Minerals Division, Joe Mraz-Geologist
U.S. Department of Energy, Doug Lynn-Land Use Coordinator
Arco Permian, Laurie Cherry- Regulatory Compliance



Department of Energy

Carlsbad Area Office
P. O. Box 3090
Carlsbad, New Mexico 88221
April 11, 2000



Mr. Bryan G. Arrant, District II Geologist
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division, District II Artesia
811 S. First Street
Artesia, NM 88210

Dear Mr. Arrant:

A review of the Arco Permian Applications for Permit to Drill (APD) Barclay State #5 and Barclay State #6 has been conducted by WIPP land use staff. Each of these wells is more than 330 feet from the WIPP boundary and does not encroach on the WIPP withdrawal boundary.

If you have any further questions, please call me at (505) 234-7349.

Sincerely,

Harold Johnson
NEPA Compliance Officer

cc:
D. Lynn, WID



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator name and Address ARCO PERMIAN P.O. BOX 1610		² OGRID Number 000990
³ API Number 30-0 15 15 31078		⁴ Property Code 30761
⁵ Property Name BARCLAY STATE		⁶ Well No. 6

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	2	23S	31E		1980	SOUTH	1980	WEST	EDDY

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
⁹ Proposed Pool 1 LIVINGSTON RIDGE (DELAWARE), South					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3429
¹⁶ Multiple NO	¹⁷ Proposed Depth 8600	¹⁸ Formation DELAWARE	¹⁹ Contractor	²⁰ Spud Date 4/00

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	860	775	SURF
12-1/4	8 5/8	32	4600	1800	SURF
7 7/8	5 1/2	15.5/17	8450	860	4500

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

Subject well planned as a 8450' straight hole.
3000 psi BOPE will be used from 860' to TD.

AN APD FOR THIS WELL WAS APPROVED ON 8/15/97 AND EXPIRED ON 8/15/98.

Notify OCD at SPUD & TIME
to witness cementing the
13'8" 85'8" casing

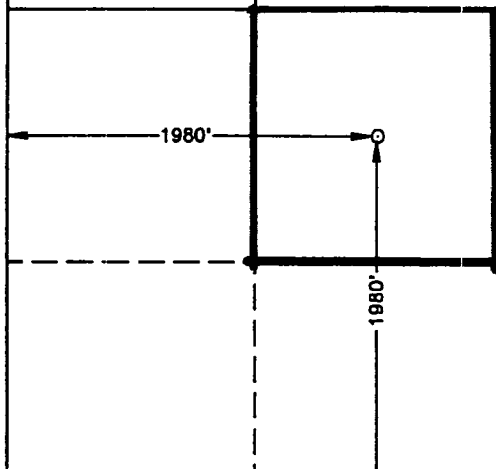
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

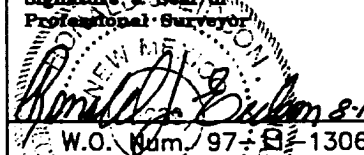
Signature: *Laurie Cherry*
Printed name: LAURIE CHERRY

Title: REG. COMPLIANCE

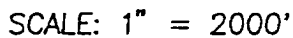
OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUM** B64
DISTRICT II SUPERVISOR
Title:
Approval Date: 4-14-00 Expiration Date: 4-14-01

LOT 4 39.49 AC.	LOT 3 39.64 AC.	LOT 2 39.78 AC.	LOT 1 39.93 AC.
			

OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> <u>Laurie Cherry</u> Signature <u>Laurie Cherry</u> Printed Name <u>Reg. Comp. Asst.</u> Title <u>5/29/00</u> Date
SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> AUGUST 7, 1997 Date Surveyed <u>Ronald J. Eidson</u> JLP Signature & Seal of Professional Surveyor  NEW MEXICO RONALD J. EIDSON 8-11-97 W.O. Num. 97-1306 Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239 GARY G. EIDSON, 12641

MOORE



SEC. 2 TWP. 23-S RGE. 31-E

COUNTY EDDY

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3415'

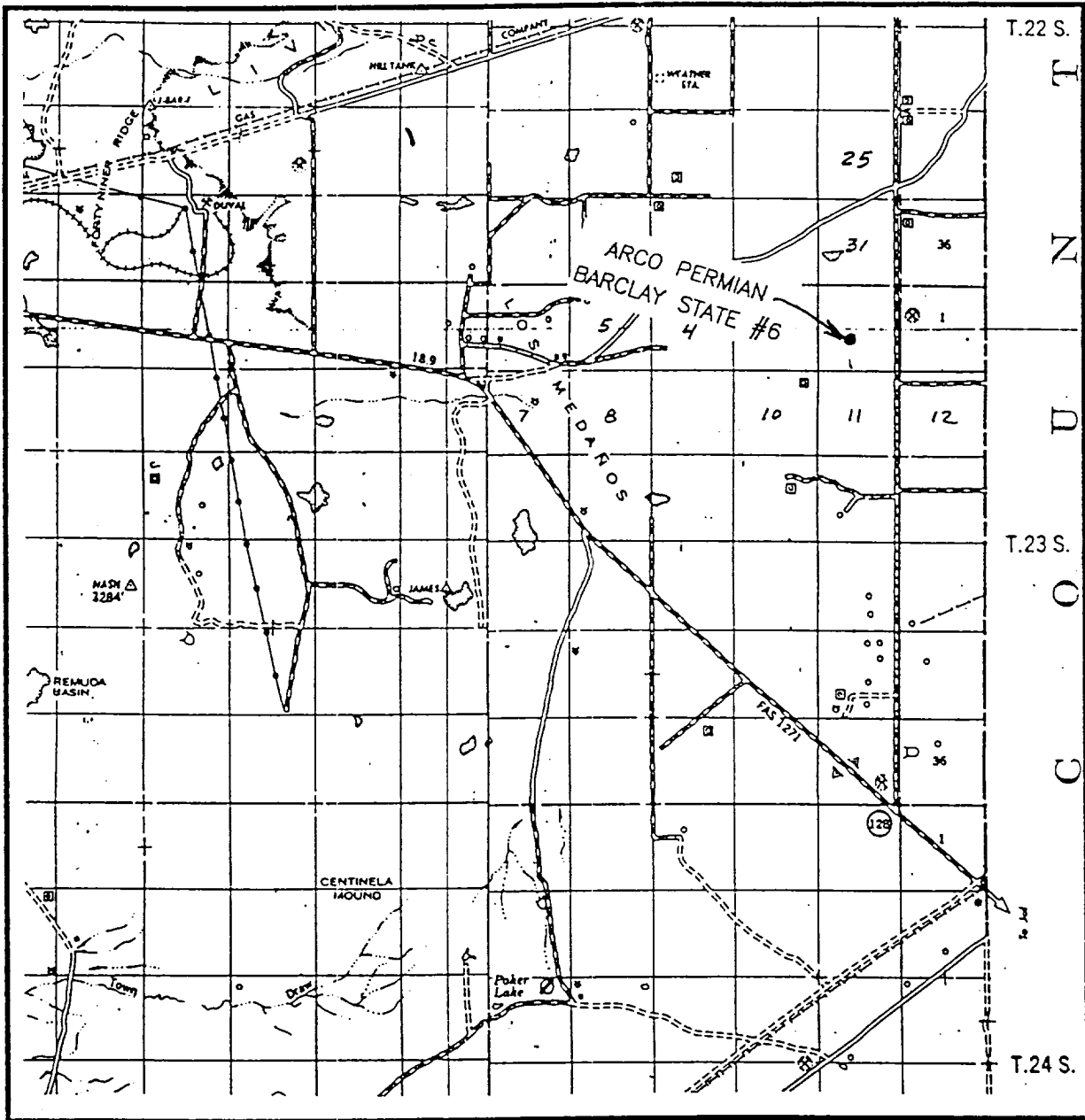
OPERATOR ARCO PERMIAN

LEASE BARCLAY STATE

U.S.G.S. TOPOGRAPHIC MAP
BOOTLEG RIDGE, & LOS MEDANOS, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

STG. 2 TYP. 23-S PAGE 31-5

SURVEY_____ N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3415'

OPERATOR ARCO PERMIAN

LEASE _____ BARCLAY STATE _____

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117**